

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/SI 03/00027

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J1/304 H01J1/312

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DENG ET AL: "ANew type of One-Dimensional Compound: Structure of Nb <sub>4</sub> (Te <sub>2</sub> ) <sub>4</sub> Te <sub>4</sub> I" ACTA CRYST., vol. C49, - 1993 pages 1135-11237, XP009022502 Abstract page 1136, right-hand column	1,4
P,A	MEMANIC ET AL.: "Field-emission properties of molybdenum disulfide nanotubes" APPLIED PHYSICS LETTERS, vol. 82, no. 25, 23 June 2003 (2003-06-23), pages 4573-4575, XP001156683 AIP abstract	1,4
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

10 December 2003

Date of mailing of the international search report

18/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Centmayer, F

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/SI 03/00027

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHMIDT ET AL.: "Nb<sub>2</sub>Se<sub>2</sub>I<sub>6</sub>: a New Structural Variation of Niobium Chalcogenide Halides with Chain Structure" Z ANORG. ALLG. CHEM , vol. 625, 1999, pages 1059-1072, XP009022501 Weinheim</p>	
A	<p>GRESSIER ET AL.: "New one-dimensional Vb Transition Metal Tetrachalcogenides structural an Transpot Properties" JOURNAL DE PHYSIQUE, vol. 44, no. 06 SUPPL, June 1983 (1983-06), pages C3-1741-C3-1743, XP009022505</p>	
P,A	<p>REMSKAR ET AL.: "Metallic Sub-Nanometer MoS<sub>2</sub>-xIy Nanotubes" ADV. MATER., vol. 15, no. 3, 5 February 2002 (2002-02-05), pages 237-240, XP001156524 Weinheim</p>	